

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/519,400
Source: P4
Date Processed by STIC: 2/27/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 02/27/2006

PATENT APPLICATION: US/10/519,400

TIME: 14:34:15

Input Set : F:\264231US0PCT.txt

Output Set: N:\CRF4\02272006\J519400.raw

3 <110> APPLICANT: GALLOIS, PATRICK
 4 HECHT, VALERIE
 5 VAROQUAUX, FABRICE
 6 BLANVILLAIN, ROBERT
 7 PUERTOLAS, DELPHINE
 8 DELORME, VALERIE
 9 ROBY, DOMINIQUE
 10 DELSENY, MICHEL
 12 <120> TITLE OF INVENTION: PLANT PEPTIDE WITH ANTIMICROBIAL ACTIVITY
 14 <130> FILE REFERENCE: 264231US0PCT
 16 <140> CURRENT APPLICATION NUMBER: 10/519,400
 17 <141> CURRENT FILING DATE: 2005-01-04
 19 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02077
 20 <151> PRIOR FILING DATE: 2003-07-04
 22 <150> PRIOR APPLICATION NUMBER: FR02/08447
 23 <151> PRIOR FILING DATE: 2002-07-05
 25 <160> NUMBER OF SEQ ID NOS: 32
 27 <170> SOFTWARE: PatentIn version 3.3
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 16
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Arabidopsis thaliana
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <222> LOCATION: (16)..(16)
 38 <223> OTHER INFORMATION: Xaa is cysteine or serine
 40 <400> SEQUENCE: 1
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 43 1 5 10 15
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 17
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Arabidopsis thaliana
 52 <220> FEATURE:
 53 <221> NAME/KEY: misc_feature
 54 <222> LOCATION: (16)..(16)
 55 <223> OTHER INFORMATION: Xaa is cysteine or serine
 57 <400> SEQUENCE: 2
 W--> 59 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
 60 1 5 10 15
 63 Ala
 67 <210> SEQ ID NO: 3
 68 <211> LENGTH: 18

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69 <212> TYPE: PRT
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73 <220> FEATURE:
74 <221> NAME/KEY: misc_feature
75 <222> LOCATION: (16)..(16)
76 <223> OTHER INFORMATION: Xaa is cysteine or histidine
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      84 Ala Phe
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      89 <211> LENGTH: 19
      90 <212> TYPE: PRT
      91 <213> ORGANISM: Arabidopsis thaliana
      94 <220> FEATURE:
      95 <221> NAME/KEY: misc_feature
      96 <222> LOCATION: (16)..(16)
      97 <223> OTHER INFORMATION: Xaa is cysteine or serine
      99 <400> SEQUENCE: 4
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      102 1          5          10          15
      105 Ala Phe Arg
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      110 <211> LENGTH: 20
      111 <212> TYPE: PRT
      112 <213> ORGANISM: Arabidopsis thaliana
      115 <220> FEATURE:
      116 <221> NAME/KEY: misc_feature
      117 <222> LOCATION: (16)..(16)
      118 <223> OTHER INFORMATION: Xaa is cysteine or serine
      120 <400> SEQUENCE: 5
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      123 1          5          10          15
      126 Ala Phe Arg Glu
      127          20
      130 <210> SEQ ID NO: 6
      131 <211> LENGTH: 21
      132 <212> TYPE: PRT
      133 <213> ORGANISM: Arabidopsis thaliana
      136 <220> FEATURE:
      137 <221> NAME/KEY: misc_feature
      138 <222> LOCATION: (16)..(16)
      139 <223> OTHER INFORMATION: Xaa is cysteine or serine
      141 <400> SEQUENCE: 6
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      144 1          5          10          15
      147 Ala Phe Arg Glu Arg
      148          20
      151 <210> SEQ ID NO: 7

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152 <211> LENGTH: 22
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159 <222> LOCATION: (16)..(16)
160 <223> OTHER INFORMATION: Xaa is cysteine or serine
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165 1 5 10 15
168 Ala Phe Arg Glu Arg Leu
169 20
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 23
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175 <213> ORGANISM: Arabidopsis thaliana
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179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (16)..(16)
181 <223> OTHER INFORMATION: Xaa is cysteine or histidine
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (23)..(23)
186 <223> OTHER INFORMATION: Xaa is cysteine or histidine
188 <400> SEQUENCE: 8
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191 1 5 10 15
W--> 194 Ala Phe Arg Glu Arg Leu Xaa
195 20
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199 <211> LENGTH: 24
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205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (16)..(16)
207 <223> OTHER INFORMATION: Xaa is cysteine or serine
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210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (23)..(23)
212 <223> OTHER INFORMATION: Xaa is cysteine or serine
214 <400> SEQUENCE: 9
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217 1 5 10 15
W--> 220 Ala Phe Arg Glu Arg Leu Xaa His
221 20
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 25
226 <212> TYPE: PRT

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227 <213> ORGANISM: Arabidopsis thaliana
230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <222> LOCATION: (16)..(16)
233 <223> OTHER INFORMATION: Xaa is cysteine or histidine
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: (23)..(23)
238 <223> OTHER INFORMATION: Xaa is cysteine or histidine
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      243 1          5          10          15
W--> 246 Ala Phe Arg Glu Arg Leu Xaa His Leu
      247          20          25
250 <210> SEQ ID NO: 11
251 <211> LENGTH: 48
252 <212> TYPE: DNA
253 <213> ORGANISM: Arabidopsis thaliana
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (46)..(48)
259 <223> OTHER INFORMATION: nnn cysteine codon or serine codon
261 <400> SEQUENCE: 11
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265 <210> SEQ ID NO: 12
266 <211> LENGTH: 51
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268 <213> ORGANISM: Arabidopsis thaliana
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (46)..(48)
274 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
276 <400> SEQUENCE: 12
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281 <211> LENGTH: 54
282 <212> TYPE: DNA
283 <213> ORGANISM: Arabidopsis thaliana
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature
288 <222> LOCATION: (46)..(48)
289 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
291 <400> SEQUENCE: 13
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295 <210> SEQ ID NO: 14
296 <211> LENGTH: 57
297 <212> TYPE: DNA
298 <213> ORGANISM: Arabidopsis thaliana
301 <220> FEATURE:

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302 <221> NAME/KEY: misc_feature
303 <222> LOCATION: (46)..(48)
304 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
306 <400> SEQUENCE: 14
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311 <211> LENGTH: 60
312 <212> TYPE: DNA
313 <213> ORGANISM: Arabidopsis thaliana
316 <220> FEATURE:
317 <221> NAME/KEY: misc_feature
318 <222> LOCATION: (46)..(48)
319 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
321 <400> SEQUENCE: 15
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325 <210> SEQ ID NO: 16
326 <211> LENGTH: 63
327 <212> TYPE: DNA
328 <213> ORGANISM: Arabidopsis thaliana
331 <220> FEATURE:
332 <221> NAME/KEY: misc_feature
333 <222> LOCATION: (46)..(48)
334 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
336 <400> SEQUENCE: 16
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339 cgt      63
342 <210> SEQ ID NO: 17
343 <211> LENGTH: 66
344 <212> TYPE: DNA
345 <213> ORGANISM: Arabidopsis thaliana
348 <220> FEATURE:
349 <221> NAME/KEY: misc_feature
350 <222> LOCATION: (46)..(48)
351 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
353 <400> SEQUENCE: 17
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356 cgtctc      66
359 <210> SEQ ID NO: 18
360 <211> LENGTH: 69
361 <212> TYPE: DNA
362 <213> ORGANISM: Arabidopsis thaliana
365 <220> FEATURE:
366 <221> NAME/KEY: misc_feature
367 <222> LOCATION: (46)..(48)
368 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
370 <220> FEATURE:
371 <221> NAME/KEY: misc_feature
372 <222> LOCATION: (67)..(69)
373 <223> OTHER INFORMATION: nnn is a cysteine or serine codon

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/519,400

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Input Set : F:\264231US0PCT.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 16
Seq#:2; Xaa Pos. 16
Seq#:3; Xaa Pos. 16
Seq#:4; Xaa Pos. 16
Seq#:5; Xaa Pos. 16
Seq#:6; Xaa Pos. 16
Seq#:7; Xaa Pos. 16
Seq#:8; Xaa Pos. 16, 23
Seq#:9; Xaa Pos. 16, 23
Seq#:10; Xaa Pos. 16, 23
Seq#:11; N Pos. 46, 47, 48
Seq#:12; N Pos. 46, 47, 48
Seq#:13; N Pos. 46, 47, 48
Seq#:14; N Pos. 46, 47, 48
Seq#:15; N Pos. 46, 47, 48
Seq#:16; N Pos. 46, 47, 48
Seq#:17; N Pos. 46, 47, 48
Seq#:18; N Pos. 46, 47, 48, 67, 68, 69
Seq#:19; N Pos. 46, 47, 48, 67, 68, 69
Seq#:20; N Pos. 46, 47, 48, 67, 68, 69

VERIFICATION SUMMARY

DATE: 02/27/2006

PATENT APPLICATION: US/10/519,400

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Input Set : F:\264231US0PCT.txt

Output Set: N:\CRF4\02272006\J519400.raw

L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:60
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:60
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:60